

30. (Original) The method of claim 1, wherein the substrate comprises a metallic material, a semiconductor material, a ceramic, or a polymer.

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31. (Original) The method of claim 30, wherein the substrate comprises a coating comprising a metallic material, a semiconductor material, a ceramic, a glass, or a polymer.

DEC 21 2005

32. (Original) The method of claim 1, further comprising disposing a material on the substrate before the step of placing.

33. (Currently Amended) The method of claim 1, wherein the stamp comprises a lumen having a portal providing communication between the lumen and an exterior of the stamp; wherein the step of disposing comprises placing the substrate within the lumen; and wherein the step of modulating comprises reducing the cross sectional dimension of the lumen.

34. (Original) The method of claim 33, wherein walls of the stamp defining the lumen are characterized by flat, curved, or a combination of both.

35. (Previously Presented) The method of claim 33, wherein the stamp is tubular.

36. (Original) The method of claim 33, wherein the stamp has a diameter of at least 100 micrometers.

37. (Original) The method of claim 1, wherein the stamp and the substrate have the same or different shapes.

38-115. (Canceled).

116. (Currently Amended) A method of patterning a surface, comprising:
providing a stamp having a stamping surface;
disposing a substrate proximate to the stamping surface; and

modulating the dimensions of the stamp to place the stamping surface in contact with the substrate to produce a pattern on the stamping surface of the substrate,

wherein the stamp comprises a first lumen having a portal providing communication between the first lumen and an exterior of the stamp;

wherein the step of disposing comprises placing the substrate within the first lumen; and

wherein the step of modulating comprises reducing a cross sectional dimension of the first lumen.

117. (Previously Presented) The method of claim 116, wherein the first lumen has two portals each providing communication between the lumen and an exterior of the stamp.
118. (Previously Presented) The method of claim 116, wherein walls defining the first lumen are characterized by flat, curved, or a combination of both.
119. (Previously Presented) The method of claim 116, wherein the stamp is tubular.
120. (Cancelled).
121. (Cancelled).
122. (Previously Presented) The method of claim 121, further comprising increasing a cross sectional dimension of the first lumen before the step of disposing the substrate.
123. (Currently Amended) The method of claim 116, wherein the substrate comprises a second lumen having a portal providing communication between the second lumen and an exterior of the stamp stamp; and
wherein the step of disposing comprises placing the stamp within the second lumen; and
wherein the step of modulating comprises increasing a cross sectional dimension of the first lumen.

124. (Cancelled).

125. (Previously Presented) The method of claim 124, further comprising reducing a cross sectional dimension of the first lumen before the step of disposing the substrate.

126. (Previously Presented) The method of claim 1 or 116, wherein the stamp is cylindrical.

127. (Previously Presented) The method of claim 1 or 116, wherein the stamp is spherical.

128. (Previously Presented) The method of claim 1 or 116, wherein the stamp is elliptical.

129. (Previously Presented) The method of claim 1 or 116, wherein the stamp is polygonal.

130. (Previously Presented) The method of claim 1 or 116, wherein the stamp takes the shape of a spheroid having a variety of diameter lengths.

131. (Cancelled).

132. (Currently Amended) The method of claim 1 or 116, wherein the stamp is balloon-like a structure having one opening.

133. (New) The method of claim 1, wherein the surface of the substrate exhibits convexity in at least one dimension, and said convexity does not result from a surface texture or pattern.